SONY

Trinitron[®] Color TV

Operating Instructions

KV-32S40 KV-32V40

KV-35S40

KV-35V65

KV-32S45 KV-32V65

KV-35S45

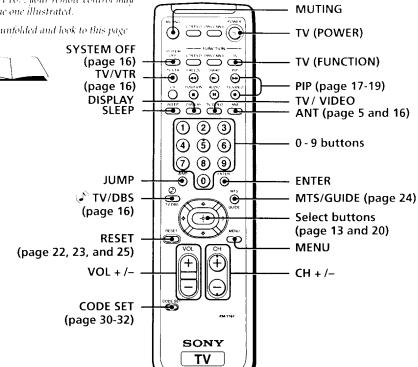
KV-32S65

KV-35S65

© 1998 by Sony Corporation

In the instructions that follow, we will refer to the buttons on your remote control. Model shown is RM-Y167, your remote control may not look like the one illustrated.

Keep this flap unfolded and look to this page for reference.



Getting to know the buttons on the remote control

Names of the buttons on the remote control are presented in different colors to represent the available functions.

Button color

Transparent Press to select the component you want to control; e.g. VTR (VCR)/DVD, DBS (Direct Broadcast Satellite)/CABLE,

or TV

Green Buttons relevant to power operations, like turning the TV, DBS (Direct Broadcast

Satellite)/CABLE, or VTR (VCR)/DVD on or off

Label color

. TV/VTR (VCR)/DVD/DBS White (Direct Broadcast Satellite)/

CABLE operation buttons PIP operation buttons Yellow..... Blue DBS (Direct Broadcast

Satellite) operation buttons Green SYSTEM OFF operation button

For a detailed explanation of most buttons, see "Watching the TV" on page 15.

WARNING

To prevent fire or shock hazard, do not expose the TV to rain or moisture.



NO USER-SERVICEABLE PARTS INSIDE

REFER SERVICING TO QUALIFIED SERVICE PERSONNEL



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CALITION

TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS POLARIZED AC PLUG WITH AN EXTENSION CORD, RECEPTACLE, OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

CAUTION

When using TV games, computers, and similar products with your TV, keep the brightness and picture contrast functions at low settings. If a fixed (non-moving) pattern is left on the screen for long periods of time at a high brightness or picture contrast setting, the image can be permanently imprinted onto the screen. Continuously watching the same program can cause the imprint of station logos onto the TV screen. These types of imprints are not covered by your warranty because they are the result of misuse.

Note on Caption Vision

This television receiver provides display of television closed captioning in accordance with §15.119 of the FCC rules.

Note on cleaning the TV

Clean the TV with a soft dry cloth. Never use strong solvents such as thinner or benzine, which might damage the finish of the cabinet.

Note to CATV system installer

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

Use of this television receiver for other than private viewing of programs broadcast on UHF or VHF or transmitted by cable companies for the use of the general public may require authorization from the broadcaster/cable company and/or program owner.

NOTIFICATION

This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful

interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful inteference with radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- · Reorient or relocate the receiving antennas.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

This document is for the remote controls RM-Y165/Y167.

MODELS: KV-32S40, 32S45, 32S65, 32V40, 32V65, 35S40, 35S45, 35S65, 35V65



As an ENERGY STAR® Partner, Sony has determined that this product or product models meets the ENERGY STAR® guidelines for energy efficiency.

ENERGY STAR® is a U.S. registered mark.

Welcome! 3
Precautions 3
Using This Manual 3
<u> </u>
Connecting and Installing the TV
Making Connections 4
Cable or Antenna Connections 5
Connecting directly to cable
or an antenna5
Cable and antenna 5
Cable Box Connections 6
Cable box6
Cable box and cable 6
VCR Connections
Connecting an antenna/cable TV system with a VCR7
Connecting a VCR and TV with a cable box7
DBS Connections 8
Connecting a DBS receiver 8
Connecting a DBS receiver

Additional Connections9					
Connecting a DVD Player9					
Connecting an audio system9 Connecting an A/V receiver10					
Connecting a camcorder11					
S-link Connections 12					
Connecting S-Link to a VCR 12					
Connecting S-Link to a DBS12					
Basic Set Up					
Inserting batteries					
Using the remote control move & select buttons13					
On-screen help/instructions 13					
Using Your New TV					
Setting up the TV automatically14					
Watching the TV15					
Watching two programs at one time–PIP17					
Single Tuner PIP 17					
Dual Tuner PIP19					

Using Your Menus Using the TIMER ① menu25 Using the BASIC B menu29 Operating Video Equipment Programming the remote control 30 Operating a Cable Box or DBS Receiver Programming the remote control 32 Troubleshooting 33 Specifications 34 Index 36

Welcome!

Thank you for purchasing the Sony Trinitron[®] Color TV. This manual is written for the models listed below. Before reading, check the model number located on the front of this manual or on the rear of your TV.

Model KV-35S45 is used for menu and illustration purposes. Differences in operation are indicated in the text; for example, "KV-35S45 only".

	\s	red for Pi	1/se. P.		غ / غ	ew WE	JME O
Model Number	Single tuner	Dual timer	SAS VALLER - PHY	SURPOUN	FAVORITE CE	AUTO VOLLIA	, loutur
KV-32540				•			
KV-32S45	4.60						
KV-32S65		•			•		
KV-32V40	18.59		•			•	
KV-32V65		•	•		•		
KV-35S40	anta yi	20.31		•			
KV-35S45	•		1	•			ĺ
KV-35S65	BONT.		J-170	•			
KV-35V65		•	•		•	•	

Precautions

Safety

- Operate the TV only with 120 V AC .
- The plug is designed, for safety purposes, to fit in the wall outlet only one way. If you are unable to insert the plug fully into the outlet, contact your dealer.
- If any liquid or solid object should fall inside the cabinet, unplug the TV immediately and have it checked by qualified personnel before operating it further.
- If you will not be using the TV for several days, disconnect power by pulling the plug itself. Never pull on the cord.

For details concerning safety precautions, see the supplied leaflet "IMPORTANT SAFEGUARDS".

Installing

- To prevent internal heat build-up, do not block the ventilation openings.
- Do not install the TV in a hot or humid place, or in a place subject to excessive dust or mechanical vibration.

Using This Manual

This manual is divided into four major sections. We recommend that you carefully review the contents of each section in the order presented to ensure that you fully understand the operation of your new TV.

1 Connecting and Installing the TV
This section guides you through your initial set up. It shows how to connect to your antenna or cable, and connect any accessories or components.

2 Basic Set Up

This section teaches you the basic skills needed to operate your new TV. It shows you how to operate special functions of the remote control.

3 Using your New TV

This section shows you how to begin using your new TV. It shows how to use the Easy Set Up Guide feature, and how to use your remote control.

4 Using your Menus

This section teaches you how to access on-screen menus and adjust your TV's settings.

Instructions in this manual are written for the remote control. Similar controls may be found on the TV console.

Making Connections

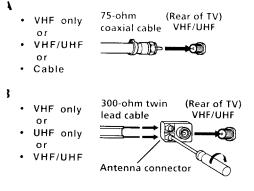
Refer to the table below, it will direct you to the diagram suitable to the components you will be connecting.

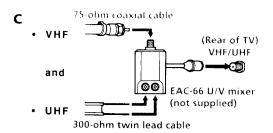
If you will be connecting	See page
Cable or antenna only	5
Cable and antenna (KV-32S65, 32V65, 35S65, 35V65 only)	5
Cable box	6
Cable box and cable to view scrambled channels (KV-32S65, 32V65, 35S65, 35V65 only)	6
VCR and cable or antenna	7
VCR and cable box	7
Direct Broadcast Satellite Receiver (DBS)	8
VCR and Direct Broadcast Satellite Receiver (DBS)	8
Digital Versatile Disc player (DVD)	9
Audio system	9
A/V receiver	10
Two VCR's for tape editing (KV-32V40, 32V65, 35V65 only)	10
Camcorder to view tapes	11
S-Link connections (KV-32S65, 32V65, 35S65, 35V65 only)	12

Lable or Antenna Connections

Connecting directly to cable or an intenna

he connection you choose will depend on the able found in your home. Newer homes will e equipped with standard coaxial cable see **A**); older homes will probably have 00-ohm twin lead cable (see **B**); still other lomes may contain both (see **C**).



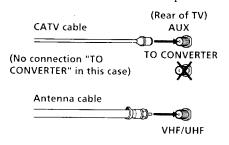


Cable and antenna

• KV-32S65, 32V65, 35S65, 35V65 only

If your cable provider does not feature local channels, you may find this set up convenient for viewing both local and cable channels.

Select cable or antenna mode by pressing ANT on the remote control. You will be able to alternate between the two input sources.



Note

 In order to receive channels with an antenna, you will need to turn your CABLE to OFF (see page 26) and perform the AUTO PROGRAM function.

Cable Box Connections

Some pay cable TV systems use scrambled or encoded signals that require a cable box to view all channels.

Cable box

- 1 Connect the coaxial connector from your cable to the IN on your cable box.
- **2** Using a coaxial cable, connect OUT on your cable box to VHF/UHF on your TV.

Cable box and cable

• KV-32S65, 32V65, 35S65, 35V65 only

For this set up, you can switch between scrambled channels (through your cable box), and normal (CATV) channels by pressing ANT on your remote control.

Notes

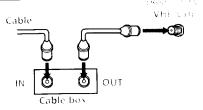
- Your Sony remote control can be programmed to operate your cable box. (see page 32)
- When using PIP, you cannot view the AUX input in the window picture.

Tip "Ç

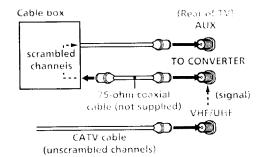
Pressing ANT switches between these inputs.

_

If you will be controlling all channel selection through your cable box, you should consider using the CHANNEL FIX feature discussed on page 26.



If you are connecting a cable box through the AUX input and would like to switch between the AUX and normal (CATV) input you should consider using the CHANNEL FIX feature discussed on page 26.



VCR Connections

Connecting an antenna/cable TV system with a VCR

- 1 Attach the coaxial connector from your cable or antenna to IN on your VCR.
- 2 Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.*
- **3** Using a coaxial connector, connect OUT on your VCR to VHF/UHF on your TV.

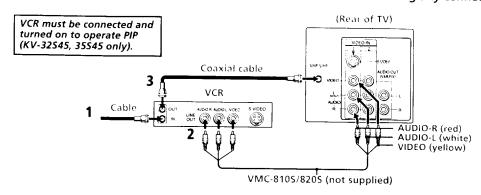
If you are connecting a monaural VCR, connect only the single white audio output to the left input on your TV.

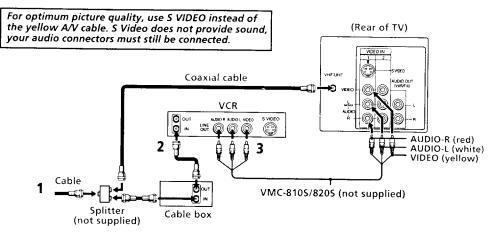
Connecting a VCR and TV with a cable box

You will need a splitter (not supplied) for the ollowing connection.

- Connect the single (input) jack of the splitter to your incoming cable connection. Connect the other two (output) jacks (using coaxial cable) to IN on your cable box and VHF/UHF on your TV.
- ! Using a coaxial connector, connect OUT on your cable box to IN on your VCR.
- Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.

Disconnect all power sources before making any connections.





7

DBS Connections

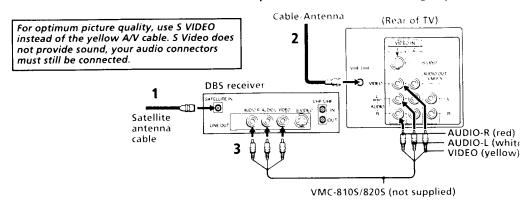
Connecting a DBS (Direct Broadcast Satellite) receiver

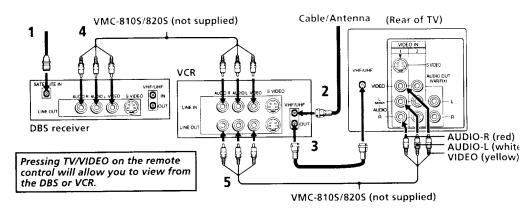
- 1 Connect the cable from your satellite antenna to your DBS receiver.
- **2** Attach the coaxial connector from your cable or antenna to VHF/UHF on your TV.
- **3** Using A/V connectors, connect AUDIO and VIDEO OUT on your DBS receiver to AUDIO and VIDEO IN on your TV.

Connecting a DBS (Direct Broadcast Satellite) receiver and a VCR

- **1** Connect the cable from your satellite antenna to your DBS receiver.
- **2** Attach the coaxial connector from your cable or antenna to VHF/UHF IN on your VCR.
- **3** Using a coaxial connector, connect VHF/UHF OUT on your VCR to VHF/UHF on your TV.
- **4** Using A/V connectors, connect AUDIO and VIDEO OUT on your DBS receiver to AUDIO and VIDEO IN on your VCR.
- **5** Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.

Disconnect all power sources before making any connections





8

Additional Connections

The following connections are for accessories that will enhance your viewing options.

Connecting a DVD Player

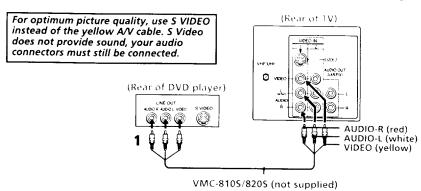
1 Using A/V connectors, connect LINE OUT on your DVD to VIDEO IN on your TV.

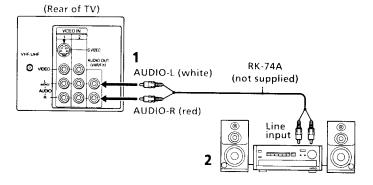
Connecting an audio system

For enhanced sound, connect your audio system to your TV.

- 1 Using AUDIO connectors, connect AUDIO OUT on your TV to one of the unused line inputs (e.g. TV, AUX, TAPE 2) on your stereo.
- **2** Set your stereo to the chosen line input. Refer to page 24 of this manual for additional audio setup instructions.

Disconnect all power sources before making any connections.





Connecting and Installing the TV (continued)

Connecting an A/V receiver

- KV-32V65, 35V65 only
- 1 Using A/V cables, connect TV OUT on your TV to TV IN on your A/V receiver.
- **2** Using a single video connector, connect Monitor OUT on your A/V receiver to VIDEO 1 IN on your TV.

Im Ö

You may want to use CHANNEL FIX to set your TV's input to the A/V receiver. See page 26.

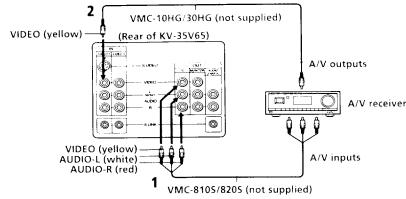
Connecting two VCRs

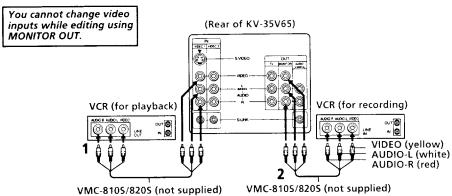
KV-32V40, 32V65, 35V65 only

MONITOR OUT gives you the ability to use a second VCR to record a program being played by the primary VCR or to perform tape editing and dubbing.

- 1 Connect the VCR intended for playback using the setup instructions on page 7 of this manual.
- **2** Using A/V connectors, connect AUDIO and VIDEO IN on your VCR intended for recording to MONITOR AUDIO and VIDEO OUT on your TV.

Disconnect all power sources before making any connections





Disconnect all power sources before making any connections. Connecting a camcorder

This connection is convenient for viewing a

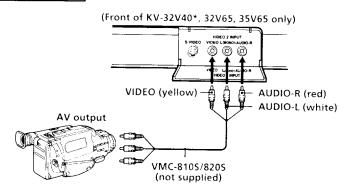
picture directly from your camcorder.

Using A/V connectors, connect AUDIO and VIDEO OUT on your camcorder to AUDIO and VIDEO IN on your TV.

Connection can also be made directly to your A/V input located on the rear of your TV.

If you are connecting a monaural camcorder, connect only the single white audio output to the left input on your TV.

If you have an S VIDEO equipped camcorder, you can use an S Video cable for optimum picture quality.



* KV-32V40 does not have S VIDEO on the front panel.

S-Link connections

• KV-32S65, 32V65, 35S65, 35V65 only

S-Link is designed to allow your Sony components to "communicate".

Connecting S-Link to a VCR

S-Link will automatically power on the TV and switch to the correct video input when a tape is inserted in the VCR.

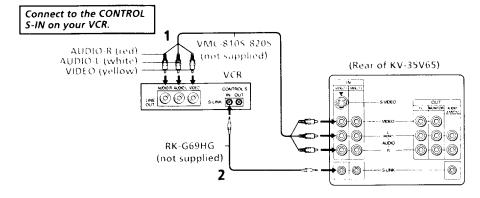
- 1 Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.
- **2** Using an S-Link connector (mono mini plug), connect S-LINK/CONTROL S-IN on your VCR to S-LINK on your TV.

Connecting S-Link to a DBS

S-Link will automatically power on the TV and switch to the correct video input when you power on the DBS.

- 1 Using A/V connectors, connect AUDIO and VIDEO OUT on your DBS to AUDIO and VIDEO IN on your TV.
- **2** Using an S-Link connector (mono mini plug), connect S-LINK on your DBS to S-LINK on your TV.

Disconnect all power sources before making any connection



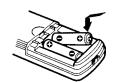
The S-Link connector must be in the same VIDEO-IN jacks as the A/V cables on your TV.

DBS Receiver (Rear of KV-35V65) Satellite Antenna AUDIO-R (red) -AUDIO-L (white) -VIDEO (yellow) OR NOW Cable **0** 00 (D) 2 RK-G69HG 000 (not supplied) VMC-8105/820S (not supplied)

Inserting batteries

Insert two size AA (R6) batteries (supplied) by matching the + and – on the batteries to the diagram inside the battery compartment.

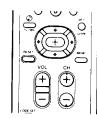




Notes

- Remove the batteries to avoid damage from possible battery leakage whenever you anticipate that the remote control will not be used for an extended period.
- Handle the remote control with care.
 Avoid dropping it, getting it wet, or placing it in direct sunlight, near a heater, or where the humidity is high.
- Your remote control can be programmed to operate most video equipment. (see page 30)

Using the remote control move & select buttons







The supplied remote control has "arrow" buttons $(\blacklozenge, \blacklozenge, \spadesuit, \clubsuit)$ which allow for movement of the on-screen selector. Pressing on the outer buttons will cause the selector to *move* in the corresponding direction. Pressing the center button (-) will *select* the item.

Adjustment bars

When menu items present an adjustment bar (means or makes), use the arrow buttons to change the setting.

On-screen help/instructions

Several menu windows will provide prompts and instructions to assist you in navigating through the different functions. When presented, use these to supplement the instructions in this manual.

Setting up the TV automatically

The Easy Setup Guide allows you to set the on-screen language and set all receivable channels in one step.

The Easy Setup Guide feature does not apply for installations that use a cable box for all channel selection.

To set up the TV manually, refer to "Using the SET UP menu" on page 26.

Tips 👸

- Perform this function during the day, with the antenna and/or cable properly connected, to ensure that all available channels will be broadcasting and receivable.
- The TV must be set to the TV input to execute AUTO PROGRAM. Press TV/VIDEO until a channel number appears.
- If your cable or antenna is connected to AUX, press ANT until AUX appears next to the channel number. (KV-32S65, 32V65, 35S65, 35V65 only)

Using the buttons on the front of the TV:



For KV-32V65, 35V65, the control buttons are located on the top of the TV.

Press POWER to turn on the TV.
 The Easy Setup Guide screen appears.

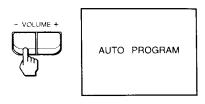




2 Press CH + to select ENGLISH screens, CH - to select ESPAÑOL screens or VOL + to select FRANÇAIS screens.



3 Press VOL – to continue or TV/VIDEO fo a DEMO of functions and menus.



AUTO PROGRAM appears and the TV starts scanning and presetting channels automatically. If the TV receives cable TV channels, CABLE is set ON automatically.

To perform AUTO SET UP again

Press the SET UP button on the TV and follow steps 2-3.

Notes

- When you perform AUTO PROGRAM, your CHANNEL FIX, CHANNEL BLOCK and ON/OFF TIMER settings will be erased.
- To reset your TV to factory settings, turn the TV on. Then, while pressing the RESE button on your remote control, press the POWER key on your TV. The TV will turn itself off, then back on.

Watching the TV

All of the TV features can be accessed via the remote control. The following chart will explain the function of the buttons found on your remote control.



REFER TO THE
ILLUSTRATION OF THE
REMOTE CONTROL ON THE
INSIDE FRONT COVER OF
THIS MANUAL AS YOU
REVIEW THIS CHART

Using the White Labeled Buttons for TV Operations				
VTR/DVD DBS.CABLE TV	Press when you want to turn equipment on and off.			
FUNCTION TV	Press when you want to control connected components with your remote control. (see pages 30-32 for instructions on programming your remote control)			
0-9	Use for direct channel selection. Press 0-9 to select a channel, the channel will change after 2 seconds, or you can press ENTER for immediate selection.			
ě.	Press to scan through the channels. Keeping the CH + or – pressed allows you to rapidly scan to the desired channel.			
JUMP	Press to alternate or <i>jump</i> back and forth between two channels. You can jump between the last two channels selected with the 0-9 keys.			
MUTING	Press to mute the sound (MUTING will appear on the screen). Press again or press VOL + to restore sound.			
SLEEP	Press repeatedly until the TV displays the approximate time in minutes (30, 60, or 90) that you want the TV to remain on before shutting off automatically. Cancel by pressing until SLEEP OFF appears.			

Using the White Labeled Buttons for TV Operations				
DISPLAY	Press repeatedly to cycle through available displays: Status Channel number, current time, channel caption (if set) are displayed. CAPTION VISION Closed Captioning will be displayed if the broadcaster offers this service. (see right) To cancel the display, press DISPLAY until DISPLAY OFF appears.			
TV.VIDEO	Press repeatedly to cycle through available video inputs: TV and VIDEO 1 (KV-32S40 only) TV, VIDEO 1 and VIDEO 2 (KV-32S45, 32S65, 35S40, 35S45, 35S65 only) TV, VIDEO 1, VIDEO 2 and VIDEO 3 (KV-32V40, 32V65, 35V65 only)			
(AUX input)	Press to change the VHF/UHF input to the AUX input. (KV-32S65, 32V65, 35S65 35V65 only) Press to change to the TV input. (KV-32S40, 32S45, 32V40, 35S40, 35S45 only) For detailed connection information, see "Cable and antenna" or "Cable box and cable" on pages 5-6.			
TV:VTR +	Press when you are finished using a VCR and you want to switch to the TV input. Your VCR power will remain on.			
MTS GUIDE	Press this button to cycle through the Multi-channel TV Sound (MTS) options: STEREO, SAP, MONO. (see page 24) GUIDE is a feature of DBS, refer to your DBS operation instructions.			
SYSTEM OFF	The SYSTEM OFF button allows you to power off all Sony equipment at once. (KV-32S45, 32S65, 32V65, 35S45, 35S65, 35V65 only)			
TV DBS	Press to turn ON or OFF one of the following audio effects: SURROUND: KV-32S40, 32S45, 32S65, 35S40, 35S45, 35S65 only AUTO VOLUME: KV-32V40, 32V65, 35V65 only See page 23 for more information on AUDIO settings. TV/DBS is a feature of DBS, refer to your DBS operating instructions.			

CAPTION VISION

Cosod Capton?



CAPTION VISION can be used for programs that are broadcast with closed caption.

CC1, 2, 3 or 4

Shows you a printed version of the dialog or sound effects of a program. (The mode should be set to CC1 for most programs)

TEXT1, 2, 3 or 4

Shows you network/station information presented using either half or the whole screen.

XDS (Extended Data Service)

Shows a network name, program name, program length, and time of the show if the broadcaster offers this service.

Note

 Poor reception of TV programs can cause errors in CAPTION VISION and XDS. Captions may appear with a white box or other errors instead of intended text.

Watching two programs at one time - PIP

The Picture-in-Picture (PIP) feature allows you to view two channels simultaneously, one in the full size "main" picture and one in a smaller "window" picture.

Single Tuner PIP

• KV-32S45, 35S45 only If you have model KV-32S65, 32V65, 35S65 or 35V65, see page 19.

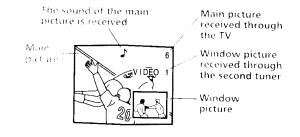
These models are equipped with a single tuner. This simply means that a VCR must be connected and turned on for PIP to operate.

To ensure a correct single tuner PIP connection make sure the following list is complete before using PIP:

- A cable or antenna is connected to the VCR
- The VCR is connected to your TV (see pages 5-7)
- The VCR is turned on
- The remote control has been programmed to operate the VCR (see page 30)

Vote

 You must press TV (FUNCTION) before you can control PIP with the yellow labeled buttons.



REFER TO THE ILLUSTRATION OF THE REMOTE CONTROL ON THE INSIDE FRONT COVER OF THIS MANUAL AS YOU REVIEW THIS CHART

Us	Use the Yellow Labeled Buttons for PIP Operations				
PIP	Press once to display the window picture (1/9 size). Press again to reduce the size of the window picture (1/16 size). Press a third time to remove the window picture.				
TV/VIDEO	Press repeatedly to cycle through available video inputs in the window: TV, VIDEO 1, VIDEO 2				
TV/VIDEO	Press repeatedly to cycle through available video inputs in the main picture: TV, VIDEO 1, VIDEO 2				
AUDIO	Press to alternate sound between the main picture and the window picture. A J will appear for a few seconds to indicate which picture is receiving sound.				

	Use the Yellow Labeled Buttons for PIP Operations				
÷ ÷	Press to change the channel. You must press VTR/DVD (FUNCTION), then use the main CH +/- buttons to change channels in the window picture. (see right)				
POSITION	Press to move the location of the window picture (counterclockwise) around the main picture.				
FREEZE	Press to freeze the window picture. Great for copying down phone numbers, addresses, recipes, etc. Press FREEZE again to restore the picture.				
SWAP	Press to switch the audio and video of the main picture and the window picture. Each time you press SWAP, the picture and sound of the two will be <i>swapped</i> .				

CHANGING CHANNELS

- 1 Press TV/VIDEO until you reach the TV input.
- 2 Press PIP (the window picture appears).

- To change the window picture: 1 Press VTR/DVD (FUNCTION).
- 2 Press the main CH +/- buttons to change channels.



To change the main picture: 1 Press TV (FUNCTION).

- 2 Press the main CH +/- buttons to change channels.

Notes

- If you have the same program in both the window and the main picture and cannot change the channel in the window; press TV/VIDEO until you reach the TV input in the main picture.
- Your remote control must be programmed to operate the VCR. (see page 30)

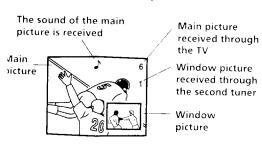
Watching two programs at one time - PIP (continued)

Dual Tuner PIP

•KV-32S65, 32V65, 35S65, 35V65 only

f you have model KV-32S45 or 35S45, see pages 17-18.

These models are equipped with dual tuners. This means that PIP is "ready to use".



lotes

You must press TV (FUNCTION) before you can control PIP with the yellow labeled buttons.

The AUX input cannot be viewed in the window picture.

	Use the Yellow Labeled Buttons for PIP Operations
PIP	Press once to display the window picture (1/9 size). Press again to reduce the size of the window picture (1/16 size). Press a third time to remove the window picture.
TV/VIDEO	Press repeatedly to cycle through available video inputs: TV, VIDEO 1, VIDEO 2, VIDEO 3
AUDIO	Press to alternate sound between the main picture and the window picture. A will appear for a few seconds to indicate which picture is receiving sound.
TV/VTR + O CH	Press to change the TV channel in the window picture.
POSITION	Press to move the location of the window picture (counterclockwise) around the main picture.
FREEZE	Press to freeze the window picture. Great for copying down phone numbers, addresses, recipes, etc. Press FREEZE again to restore the picture.
SWAP	Press to switch the audio and video of the main picture and the window picture. Each time you press SWAP, the picture and sound of the two will be swapped.



Learning menu selection

Use the MENU button to access a menu and use the arrow buttons (♠ or ♣) to alter settings. Use the following example, in which we activate the CABLE, to learn how to modify settings.

1 Press the MENU button.

The main menu appears.





2 Press ♠ or ♦ to highlight the desired menu (in this case SET UP →) and press → to select it.







3 Press ullet or ullet to move to the desired option.





4 Press 🕘.

Options for your selection will be highlighted.





5 Press ♦ or ♦ to make your selection and press ♥ .



When you are finished making changes to the selected menu, choose \supseteq MENU to return to the main menu.



Notes

- Pressing MENU on the remote control will allow you to exit from the menus at any time.
- If any menu items are "grayed out", press the ANT button on your remote control until a channel number appears.

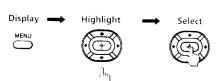
Quick start to the menus

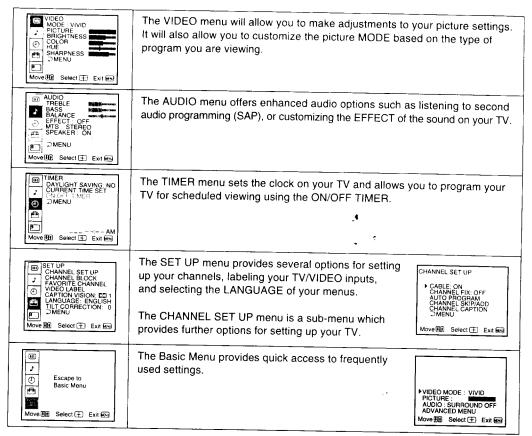
The following is a guide to your menus. It will give you a quick start to the options available for setting up your TV.

The menus shown are for model KV-35S45, your menus may look different from those illustrated.

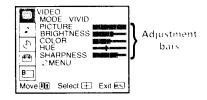
For detailed information on using the remote control to modify menu settings, refer to 'Learning menu selection' on page 20.

To select a menu:



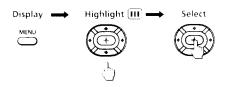


Using the VIDEO III menu



For detailed information on using the remote control to modify menu settings, refer to "Learning menu selection" on page 20.

To select the VIDEO • menu:

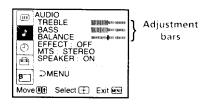


To restore the factory VIDEO settings

Press RESET while the VIDEO menu is displayed.

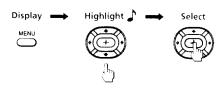
WODE VIVID: Select for a vivid, bright picture for daytime viewing. STANDARD: Select to receive a standard picture. MOVIE: Select for night time movie viewing.		
PICTURE Adjust left to decrease picture contrast and soften the color. Adjust right to increase picture contrast and create more vivid colo		
BRIGHTNESS Picture adjustment	Adjust left to darken the picture. Adjust right to brighten the picture.	
COLOR Color saturation	Adjust left to decrease color intensity or saturation. Adjust right to increase color intensity or saturation.	
HUE Adjust left to increase the red tones. Color tones Adjust right to decrease the red tones.		
SHARPNESS Adjust left to soften the picture detail. **Picture detail** Adjust right to sharpen the picture detail.		

Using the AUDIO J menu



For detailed information on using the remote control to modify menu settings, refer to "Learning menu selection" on page 20.

To select the AUDIO ♪ menu:



То	restore	the	factory	AUDIO
set	tings		-	

Press RESET while the AUDIO menu is displayed.

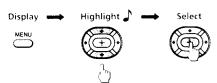
TREBLE	Adjust left or right to decrease or increase higher pitched sound.		
BASS	Adjust left or right to decrease or increase low pitched sounds.		
BALANCE Adjust left or right to emphasize right and left speaker volume.			
AUTO VOLUME Stabilizes volume	(KV-32V40, 32V65, 35V65 only) ON: Select to stabilize the volume. OFF: Select to turn AUTO VOLUME off. Press of for direct selection of AUTO VOLUME settings.		
EFFECT Enhanced audio options	Press ♦ or ♦ to select one of these customized effects: SURROUND: Simulates theater quality sound (only for stereo programs). (KV-32S40, 32S45, 32S65, 35S40, 35S45, 35S65 only) Press ② for direct selection of SURROUND settings. SIMULATED: Adds a stereo-like effect to mono programs. (KV-32V40, 32V65, 35V65 only) SRS: Produces a dynamic three dimensional sound for stereo audio signals. (KV-32V40, 32V65, 35V65 only)		

Using the AUDIO → menu (continued)



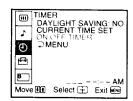
For detailed information on using the remote control to modify menu settings, refer to "Learning menu selection" on page 20.

To select the AUDIO ♪ menu:



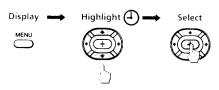
MTS Enery sterior thing, a una more mograms	 MTS: Press ♠ or ♠ to select one of the following options: STEREO: Select when viewing a broadcast in stereo. SAP: Select to listen to bilingual broadcast. (Non-SAP programs will be muted when this feature is selected) MONO: Select to reduce noise during stereo broadcasts for areas of weak reception. Quick MTS access: Press MTS on your remote control to cycle through the MTS options.
SPEAKER Custom selection of audio output source	ON: Select to listen to the sound from the TV speakers with or without a separate stereo system. OFF: Select to turn off the TV speakers and listen to the TV's sound only through external audio system speakers.
AUDIO OUT Use to control the TV's volume through a stereo	AUDIO OUT can only be set when SPEAKER is set to OFF. VARIABLE: Sound output varies according to the TV settings. Useful when you want to use your TV's remote control to adjust the output of a separate audio system. FIXED: Sound output is held at a fixed level through your stereo. Use your AV receiver's remote control to adjust the volume.

Jsing the TIMER 🕘 menu



or detailed information on using the remote ontrol to modify menu settings, refer to Learning menu selection" on page 20.

To select the TIMER \oplus menu:



To cancel the ON/OFF TIMER function

'ress RESET while the $\ensuremath{\mathsf{ON}}/\ensuremath{\mathsf{OFF}}$ TIMER nenu is displayed.

ip 🏋

 $et\ DAYLIGHT\ SAVING\ time\ before\ setting\ the\ clock.$

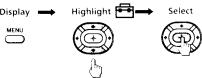
DAYLIGHT SAVING Automotive and lists the time	Spring: Select YES to compensate for Daylight Saving The current time moves one hour ahead. Fall: Select NO at the end of Daylight Saving Time. The current time moves back one hour.	Time.
CURRENT TIME SET Necessary for the ON OFF TIMER	With the CURRENT TIME SET menu open: 1 Press ◆ . 2 Press ♦ or ♦ until the current day is displayed. Press ● to select. 3 Press ♦ or ♦ until the current hour and AM/PM is displayed. Press ● to select. 4 Press ♦ or ♦ until the current minute is displayed, press ●. The clock is set. Press MENU to exit. Any loss of power will cause these settings to be erased.	CURRENT TIME SET AM AM MENU Move 10 Select Exit
ON/OFF TIMER Wake up or scheduled viewing	 With the ON/OFF TIMER menu open: 1 Press ⊕. 2 Press ♠ or ₱ until the desired day or range of days is displayed. Press ⊕ to select. 3 Indicate the time that you want the TV to turn on by pressing ♠ or ₱ and then ⊕. 4 Set the time duration (maximum of 6 hours) by pressing ♠ or ₱ and then ⊕. 5 Press ♠ or ₱ until you reach the desired channel. Press ⊕ to select. The ON/OFF TIMER is now set. Press MENU to exit. When you perform AUTO PROGRAM, all ON/OFF TIME 	ON/OFF TIMER ON/OFF TIMER ON/OFF TIMER ON/OFF TIMER SUN 12:00 AM Move@@ Select Exit ON/OFF TIMER

Using the SET UP 🖶 menu



For detailed information on using the remote control to modify menu settings, refer to "Learning menu selection" on page 20.





Notes

- The FAVORITE CHANNEL feature is not available for the AUX input.
- Your remote control can be programmed to operate your cable box. (see page 32)
 After setting CABLE, you will need to run
- After setting CABLE, you will need to run
 AUTO PROGRAM.
- ON/OFF TIMER and CHANNEL BLOCK settings will be erased when CHANNEL FIX is set.

CHANNEL SET UP

Basic set ac octions for viewing With the CHANNEL SET UP menu open:

Press ♦ or ♦ to access a feature, then press <a>

CABLE: Select ON if your TV is connected to a cable system.

CHANNEL FIX: Press ♦ or ♦ to set the TV's input to one

of the following options:

2-6: When a cable box is connected to the VHF/UHF input. Press DBS/CABLE (FUNCTION) and then CH +/- to change channels through your cable box.

AUX 2-6: When a cable box is connected to AUX and a cable or antenna is connected to VHF/UHF. You can alternate between the two inputs by pressing ANT on the remote control. (KV-32S65, 32V65, 35S65, 35V65 only)

VIDEO 1: When you have connected video equipment (e.g. A/V receiver) and you want the TV input fixed to it. You will be able to alternate between video sources using the A/V receiver.

OFF: When you want to turn CHANNEL FIX off.

AUTO PROGRAM: Instructs the TV to program all receivable channels.

CHANNEL SKIP/ADD: With the CHANNEL SKIP/ADD window open:

- 1 Select the desired channel.
- 2 Press ① to SKIP or ADD (only one option will be available).

CHANNEL CAPTION: Label up to 12 channels with their call letters (up to four letters).

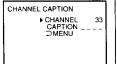
With the CHANNEL CAPTION menu open:

- 1 Press ⊕ and then ♦ or ♦ to access the desired channel, and press ⊕ again.
- 2 Press ★ or ▼ to display the first letter or number of the caption and press ⊕ to select it.
- 3 Press to activate. To erase a caption, press RESET.



Move (∰) Select ⊕ Exit 🙉

CHANNEL SET UP



Move **●●●** Select ⊕ Exit 📾

26

CHANNEL BLOCK Provent of idiacess to certain channels FAVORITE CHANNEL Quick access to

With the CHANNEL BLOCK window open:

- 1 Choose 1 or 2 and press
- 2 Press ♠ or ♦ to display the channel you want to block, press ⊕ to activate.

When you select the blocked channel, BLOCKED will appear on the screen. When you perform AUTO PROGRAM, your CHANNEL BLOCK settings will be erased.

To erase the CHANNEL BLOCK settings, press RESET while the CHANNEL BLOCK menu is displayed.

CHANNEL BLOCK

▶1. CH ___
2. CH ___

⊅MENU

Select a position

Move ®® Select ⊕ Exit

Quick access to tavorite channels

Setting FAVORITE CHANNEL:

- 1 Press ⊕ and then ♦ or ♦ to select AUTO or MANUAL. (Selecting AUTO will display the last five channels chosen with the remote control's 0-9 buttons.)
- 2 Press ♦ or ♦ to move the cursor to 1, 2, 3, 4 or 5 and press ④.
- 3 Press ♦ or ♦ to access the desired channel and press ⊕.

For KV-32S65, 32V65, 35S65, 35V65 only, you can preview your favorite channels in the window picture. To do so, set PREVIEW to ON.

Using FAVORITE CHANNEL:

- 1 Press when in normal viewing mode. Your FAVORITE CHANNEL options will appear.
- 2 Press ♦ or ♦ to access the channel you want to watch, and press ⊕.

 For models KV-32S65, 32V65, 35S65, 35V65 only, if PREVIEW is ON, a window picture displays your

For models KV-32S65, 32V65, 35S65, 35V65 only, if PREVIEW is ON, a window picture displays your favorite channels as you cycle through the options.

FAVORITE CHANNEL

MODE: AUTO

1.
2.
3.
4.
5.
DMENU

Move ∰ Select ⊕ Exit

FAVORITES

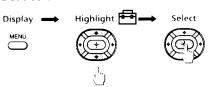
125 ESPN
14 ABC
48 CBS
16 NBC
5 CBC
DExit

Using the SET UP emenu (continued)



For detailed information on using the remote control to modify menu settings, refer to "Learning menu selection" on page 20.

To	sele	ct 1	he	SET	UP	0.0	menu:
----	------	------	----	-----	----	-----	-------



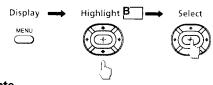
With the VIDEO LABEL window open:	
1 Press ♦ or ♦ to access the input mode you want to label and press < ^ . *VIDEO 1 VHS VIDEO 2 GAME DMENU	
2 Press ♦ or ♦ to choose the label and press ↔.	
VIDEO 1: VHS, 8mm, BETA, LD, GAME, DBS, DVD, WEB, RECEIVER, DTV. VIDEO 2/3: VHS, 8mm, BETA, LD, GAME, DBS, DVD, WEB, RECEIVER, DTV, SKIP. When VIDEO LABEL is set to WEB, the picture will darken, creating an ideal picture for WebTV viewing. If you select SKIP, your TV will skip this connection when you cycle through video sources using the TV/VIDEO button.	
Select from available languages to display all menus in your language of choice.	
(KV-35S40, 35S45, 35S65, 35V65 only)	

Jsing the Basic 🖭 Menu



or detailed information on using the remote ontrol to modify menu settings, refer to Learning menu selection" on page 20.

fo select the Basic ☐ Menu:



iote

 The TV automatically displays the last menu used when MENU is pressed.

Basic Menu

Querencess to trequently used settings With the Basic Menu window open:

- 1 Press ♠ or ♦ to access the feature you want to change.
- 2 Press to select.

VIDEO MODE: Press ♦ or ♦ to set the TV to one of

the following settings:

VIVID, STANDARD, MOVIE (see page 22)

PICTURE: Press ♦ or ♦ to adjust the picture contrast. (see page 22) **AUDIO:** Press ♦ or ♦ to set your audio to one of the following settings: (see page 23)

SURROUND: KV-32S40, 32S45, 32S65, 35S40, 35S45, 35S65 only

SRS/SIMULATED: KV-32V40, 32V65, 35V65 only

ADVANCED MENU: Select when you want to return to the main menus.

VIDEO MODE: VIVID
PICTURE:
AUDIO: SURROUND OFF
ADVANCED MENU

Move (H) Select (±) Exit (EM)

Operating Video Equipment

Programming the remote

You can use the supplied remote control to operate Sony or non-Sony video equipment.

- **1** Press CODE SET.
- ${\bf 2} \ \ {\tt Press} \ {\tt VTR/DVD} \ ({\tt FUNCTION}).$
- **3** Use the 0-9 buttons to key in the manufacturer's code number from the following chart.
- 4 Press ENTER.

VCR code numbers

Manufacturer	Code
Sony	301, 302, 303
Admiral (M. Ward)	327
Aiwa	338, 344
Audio Dynamic	314, 337
Broksonic	319, 317
Canon	309, 308
Citizen	332
Craig	302; 332
Criterion	315
Curtis Mathis	304, 338, 309
Daewoo	341, 312, 309
DBX	314, 336, 337
Dimensia	304
Emerson	319, 320, 316, 317, 318, 341
Fisher	330, 335
Funai	338
General Electric	329, 304, 309
Go Video	322, 339, 340
30	

Goldstar					332
Hitachi			306,	304, 3	805,338
Instant Rep	olay				09, 308
JC Penney	309	, 305, 30	4, 330,	314, 3	36, 337
JVC		314, 33			
Kenwood					32, 337
LXI (Sears))	33:	2, 305,	330, 3	35, 338
Magnavox				308, 3	09, 310
Marantz				314, 3	36, 337
Marta					332
Memorex				3	09, 335
Minołta				3	05, 304
Mitsubishi/I	MGA		323,	324, 3	25, 326
Multitech					38, 321
NEC					36, 337
Olympic				3	09, 308
Optimus					327
Panasonic			308,		06, 307
Pentax					05, 304
Philco					08, 309
Philips				308, 3	09, 310
Pioneer					308
Quasar					09, 306
RCA/PROS	3CAN	304			09, 311,
					10, 329
Realistic		309, 33	0, 328,	335, 3	
Sansui					314
Samsung					13, 321
Sanyo					30, 335
Scott	312, 313	, 321, 33	5, 323,		
Sharp				3	27, 328
Shintom				_	315
Signature 2	2000 (M. V	(Vard		3	38, 327
SV2000					338
Sylvania			308,	309, 3	38, 310
Symphonic	;				338

332 314, 336, 337 314, 336, 338, 337 309, 308 312, 311 327, 328, 335, 331, 332 314, 330, 336, 337 331
Buttons on the remote control
Press VTR/DVD (POWER).
Press the 0 – 9 buttons.
Press CH +/
Press ► and • simultaneously.
Press ►.
Press ■.
Press ►►.
Press ◀◀.
Press ■. To resume normal playback, press again or press ►.
Press ►► or ◄◄ during playback. To resume normal playback, release the button.
_

Press TV/VTR.

To change input

mode

Tips 🍟

- In some rare cases, you may not be able to operate your non-Sony video equipment with the supplied remote control. In this case, please use the equipment's own remote control.
- When you remove the batteries, the code number may revert to the factory setting.
- The code numbers for Sony VCR's are assigned at the factory as follows:

VHS VCR	301
	(preset code for the
	supplied remote control)

8 mm VCR	302	

Beta, ED Beta VCR	s 303
beta, ED beta VCN	5 303

MDP (Multi Disc Player) code numbers

Manufacturer	Code
Sony	701
Panasonic	704, 710
Pioneer	702

Operating an MDP	Buttons on the remote control
To turn on or off	Press VTR/DVD (POWER).
To play	Press ►.
To stop	Press ■.
To pause	Press ■. To resume normal playback press again or press ►.
To scan	Press ▶ or ◀◀ during playback. To resume normal playback, press ▶.
To search the chapter forward or backward	Press CH +/

Tip 👸

If you will not be programming a DBS or cable box into the DBS/CABLE input, you can use it to program other video equipment (e.g. DVD, MDP, or second VCR). (see page 30)

DVD (Digital Versatile Disc) code numbers

Code
751
753
752
755
754

Operating a DVD player	Buttons on the remote control
To turn on or off	Press VTR/DVD (POWER).
To play	Press ►.
To stop	Press ■.
To pause	Press II. To resume normal playback, press again or press ►.
To scan	Press ►► or ◀◀ during playback. To resume normal playback, press ►.
To search the chapter forward or backward	Press CH +/
To select chapters directly	0-9 + ENTER.
MENU	Press to display DVD menu.
To move cursor in menu	Use your arrow buttons ♠, ♣, ♠, ♠.



Programming the remote

You can program the supplied remote control to operate a cable box or DBS receiver.

- 1 Press CODE SET.
- **2** Press DBS/CABLE (FUNCTION).
- **3** Use the 0-9 buttons to key in the manufacturer's code number from the following chart.
- **4** Press ENTER.

For more details on operating the cable box or DBS receiver

Refer to the operating instructions that were supplied with the equipment.

If the remote control doesn't work

 First, try repeating the setup procedures using the other codes listed for your equipment.

Tips 🍟

- If more than one code number is listed, try entering them one by one until you come to the correct code for your equipment.
- If you enter a new code number, the code number you previously entered at that setting is erased.
- In some rare cases, you may not be able to operate your equipment with the supplied remote control. In this case, use the equipment's supplied remote control.
- Whenever you remove the batteries the code numbers may revert to the factory setting.

Cable box code numbers

Manufacturer	Code
Hamlin/Regal	222, 223, 224, 225, 226
Jerrold/G. I.	201, 202, 203, 204, 205, 206, 207, 208, 218
Oak	227, 228, 229
Panasonic	219, 220, 221
Pioneer	214, 215
Scientific Atlanta	209, 210, 211
Tocom	216, 217
Zenith	212, 213

DBS receiver code numbers

Manufacturer	Code
Sony	801 (preset code for remote control)
General Electric	802
Hitachi	805
Hughes	804
Panasonic	803
RCA/PROSCAN	802, 808
Toshiba	806, 807

Troubleshooting

Consult the table below; it suggests solutions to specific problems.

Problem	What It could be	What you can do
Cannot operate single tuner PIP (KV-32S45, 35S45)	 Ensure that you have set your VCR correctly. (see page 7) Program your remote control to operate the VCR. (see page 30) 	
A red light keeps flashing on the TV for more than a few seconds	Your TV may need service.	Call your local Sony service center.
TV makes a noise when turned on	This is a normal function of your TV.	
Screen is not lit and there is no sound	 Power cord may not be plugged in. Batteries may not have been placed with the correct polarity. TV/VIDEO setting may be incorrect. 	Press TV/VIDEO until you receive a channel.
Poor or no picture (screen lit), good sound	VIDEO menu settings may not be adjusted correctly. Antenna/cable connections may be faulty. VIDEO LABEL inputs may be set to WEB. (This label darkens the screen for ideal WebTV viewing)	 Readjust your VIDEO menu settings.(see page 22) Check your VIDEO LABEL settings. (see page 28)
Good picture, no sound	 Sound may be set to MUTING. Your TV may be set to SAP. Speaker may not be set correctly. 	 Press MUTE. Check the MTS setting in the AUDIO menu. (see page 23) Check your SPEAKER settings. (see page 24)
No color	Color settings may not be adjusted correctly.	Adjust the COLOR settings in the VIDEO menu. (see page 22)



Problem	What it could be	What you can do
Only snow and noise appear on the screen	 CABLE may not be set correctly in the SET UP menu. Antenna/cable connections may not be correct. TV may be set to AUX mode. 	 Ensure that you have selected the correct CABLE mode in the SET UP menu. (see page 26) Press ANT on your remote control to change the input mode. (see page 16)
Cannot receive upper channels (UHF) when using an antenna	CABLE setting may not be correct in the SET UP menu.	 Ensure that CABLE is set to OFF in the SET UP menu. (see page 26) Use AUTO PROGRAM to add receivable channels that are not presently in TV memory. (see page 26)
Cannot receive any channels when using cable	CABLE setting may not be set correctly in the SET UP menu.	 Ensure that CABLE is set to ON in the SET UP menu. (see page 26) Use AUTO PROGRAM to add receivable channels that are not presently in TV memory. (see page 26)
Cannot gain enough volume when using a cable box	Volume may not be adjusted on your cable box.	Press TV (FUNCTION) and adjust the TV's volume.
TV is fixed to one channel	CHANNEL FIX settings may not be correct.	Check your CHANNEL FIX settings. (see page 26)

If, after reading these operating instructions, you have additional questions related to the use of your Sony television, please call our Direct Response Center at 1-800-222-SONY (7669). (U.S. residents only)

Supplied accessories

Remote control RM-Y165 (1) (KV-32S40, 32V40, 35S40 only)

Remote control RM-Y167 (1) (KV-32S45, 32S65, 32V65, 35S45, 35S65, 35V65 only)

Batteries size AA (R6) (2)

Optional accessories

Connecting cables
VMC-810S/820S, VMC-720M,
YC-15V/30V, RK-74A

TV Stand SU-32A3, SU-35A3 U/V mixer EAC-66

K	V- 32S40	32545	32565	32V40	32V65	35540	35S45	35S65	35V65
Power requirements	120 V, 60 Hz	120 V. 60 Hz	120 V. 60 Hz	120 V. 60 Hz	120 V. 60 Hz	120 V, 60 Hz			
Number of inputs/outputs					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		720 7, 00 112	120 1,00112	120 0, 00 112
Video 1)	1	2	2	3	3	2	2	2	3
S Video 2)	1	1	1	1	2	1	1	1	2
Audio ³⁾	1	2	2	3	3	2	2	2	3
Audio out 4)	1	1	1	1	1	1	1	1	1
Monitor out 1)	_	_	_	1	1		<u> </u>	<u> </u>	1
TV out 1) 3)	_	-		_	1	_			1
S-Link	_	_	Yes	_	Yes	_	_	Yes	Yes
Speaker output (W)	5W x 2	5W x 2	5W x 2	5W x 2	10W x 2	5W x 2	5W x 2	5W x 2	10W x 2
Power consumption (W) In use (Max.) In standby	180W 2W	180W 2W	180W 2W	180W 2W	200W 2W	210W 2W	210W 2W	210W 2W	230W 2W
Dimensions (W/H/D) (mm) (in)	791 x 707 x 604.5 mm 31 x 27 ¹³ / ₁₆ x 23 ³ / ₄ in.	791 x 707 x 604.5 mm 31 x 27 ¹³ / ₁₆ x 23 ³ / ₄ in.	791 x 707 x 604.5 mm 31 x 27 ¹³ / ₁₆ x 23 ³ / ₄ in.	821 x 675.3 x 587 mm 32 ³ / ₈ x 26 ⁵ / ₈ x 23 ¹ / ₈ in.	821 x 675.3 x 587 mm 32 ³ / ₈ x 26 ⁵ / ₈ x 23 ¹ / ₈ in.	870 x 761 x 653 mm 34 ¹ / ₄ x 30 x 25 ⁵ / ₈ in.	870 x 761 x 653 mm 34 ¹ / ₄ x 30 x 25 ⁵ / ₈ in.	870 x 761 x 653 mm 34 ¹ / ₄ x 30 x 25 ⁵ / ₈ in.	920 x 730.8 x 641.8 mm 36 ¹ / ₄ x 28 ³ / ₄ x 25 ¹ / ₄ in.
Weight (kg) (lbs)	71.4 kg 157 lbs	72.7 kg 160 lbs	73 kg 160.5 lbs	70 kg 154 lbs	70 kg 154 lbs	83 kg 183 lbs	83 kg 183 lbs	83 kg 183 lbs	90 kg 203 lbs

(lbs) 157 lbs 16

Felevision system
American TV standard, NTSC

Channel coverage
VHF: 2-13/UHF: 14 -69/CATV: 1 - 125

Ficture tube
Trinitron® tube
Jisible screen size
32-inch picture measured diagonally (KV-32S40, 32S45, 32S65, 32V40, 32V65 only)
35-inch picture measured diagonally (KV-35S40, 35S45, 35S65, 35V65 only)

Actual screen size
34-inch picture measured diagonally (KV-32S40, 32S45, 35S65, 35V65 only)

34-inch picture measured diagonally (KV-32S40, 32S45, 32S65, 32V40, 32V65 only)
37-inch picture measured diagonally (KV-35S40, 35S45, 35S65, 35V65 only)

Antenna
75 ohm external terminal for VHF/UHF

- Notes
 1 Vp-p, 75 ohms unbalanced, sync negative
- Y: 1 Vp-p, 75 ohms unbalanced, sync negative C: 0.286 Vp-p (Burst signal), 75 ohms
- 500 mVrms Impedance: 47 kilohms
- More than 408 mVrms at the maximum volume setting (variable)
 More than 408 mVrms (fix)
 Impedance: 50 kilohms

Design and specifications are subject to change without notice.

(●)* SRS (SOUND RETRIEVAL SYSTEM)

The (●) SRS (SOUND RETRIEVAL SYSTEM) is manufactured by Sony Corporation under license from SRS Labs, Inc. It is covered by U.S. Patent No. 4,748,669. Other U.S. and foreign patents pending.

The word 'SRS' and the SRS symbol (●) are registered trademarks of SRS Labs, Inc.

Licensed by BBE Sound, Inc. under USP 4638258.4482866. BBE and BBE symbol are trademarks of BBE Sound, Inc.



•
Adjusting your menus
ANT
Antenna cable 5
Antenna connector 5
AUDIO & button
AUDIO menu operations 🎝
AUDIO OUT
AUTO VOLUME23
BALANCE 23
BASS23
EFFECT
MTS 24
SPEAKER 24
TREBLE 23
AUDIO OUT
FIXED
VARIABLE 24
AUTO PROGRAM26
AUX Hookup5
A/V receiver 10
В
BALANCE
Basic Menu E
BASS
Battery installation
BRIGHTNESS 22
C 2/
CABLE
Cable box
operation
36

CAPTION VISION (closed caption)	16
CATV cable	5
Coaxial cable	5
CH +/	
CHANNEL SKIP/ADD	
CHANNEL BLOCK	27
CHANNEL CAPTION	26
CHANNEL FIX	26
OLOR	22
Connecting TV to	
Antenna	5
Audio system	
A/V receiver	10
Cable	
Cable box and cable	
Camcorder	11
DBS receiver	
DBS receiver and VCR	
DVD player	
S-Link	
Two VCRs	
VCR	
CURRENT TIME SET	25
n	
DAYLIGHT SAVING	25
DBS receiver operation	
DISPLAY	
CAPTION VISION	14
Status	
XDS	16

E	
Easy Setup Guide	14
Editing using MONITOR OUT	10
EFFECT	
SIMULATED	23
SRS	
SURROUND	
F	
Factory settings	22, 23
FAVORITE CHANNEL	27
FAVORITE CHANNEL w/preview	
FREEZE button	
н	
HUE	22
I, J, K	
JUMP button	15
L	
Language selection	14, 28
Learning menus	
AUDIO	23
Basic Menu	
SET UP	
TIMER	
VIDEO	

,
MDP operation
Menu selection
Mode
MOVIE22
STANDARD 22
VIVID 22
MONITOR OUT 10
Mono
MTS
MONO24
SAP 24
STEREO 24
MUTING button
0
On-Screen Help
ON/OFF TIMER
Operating video equipment
P, Q
Picture-in-Picture (PIP)
Main picture 17
Window picture 17
PIP connections (single tuner)
PIP connections (dual tuner)
PIP operations
AUDIO 17, 19
CH+/ 18, 19
FREEZE
PIP 17, 19
POSITION

SWAP	18, 19
TV/VIDEO	17, 19
Programming the remote	30, 31
R	
Remote control	13. 15
FUNCTION buttons	
Illustrationii	
s	
SAP	2.4
Safety	
Select buttons	
Adjustment bars	
SET UP menu 🔁	
AUTO PROGRAM	
CABLE	
CHANNEL SKIP/ADD	
CHANNEL CAPTION	26
CHANNEL BLOCK	
FAVORITE CHANNEL	
TILT CORRECTION	
Setting up TV	
SHARPNESS	22
SLEEP button	
S-Link Connections	
SPEAKER	
ON	24
OFF	
Specifications	
Splitter	

SWAI' button
SYSTEM OFF button
T, U
TILT CORRECTION28
TIMER menu operations ①
CURRENT TIME SET25
DAYLIGHT SAVING25
ON/OFF TIMER25
TREBLE 23
Troubleshooting
TV (FUNCTION) button
TV POWER button
TV/VIDEO button
TV OUT 10
V, W, X, Y, Z
VCR
VCR 7 VCR manufacturer code numbers 30 VCR operation 30
VCR
VCR
VCR 7 VCR manufacturer code numbers 30 VCR operation 30 VIDEO LABEL 28 VIDEO menu operations III BRIGHTNESS 22
VCR 7 VCR manufacturer code numbers 30 VCR operation 30 VIDEO LABEL 28 VIDEO menu operations III BRIGHTNESS 22 COLOR 22
VCR 7 VCR manufacturer code numbers 30 VCR operation 30 VIDEO LABEL 28 VIDEO menu operations 8 BRIGHTNESS 22 COLOR 22 HUE 22
VCR 7 VCR manufacturer code numbers 30 VCR operation 30 VIDEO LABEL 28 VIDEO menu operations 22 BRIGHTNESS 22 COLOR 22 HUE 22 MODE 22
VCR 7 VCR manufacturer code numbers 30 VCR operation 30 VIDEO LABEL 28 VIDEO menu operations 22 BRIGHTNESS 22 COLOR 22 HUE 22 MODE 22 PICTURE 22
VCR 7 VCR manufacturer code numbers 30 VCR operation 30 VIDEO LABEL 28 VIDEO menu operations 22 COLOR 22 HUE 22 MODE 22 PICTURE 22 SHARPNESS 22
VCR 7 VCR manufacturer code numbers 30 VCR operation 30 VIDEO LABEL 28 VIDEO menu operations 28 BRIGHTNESS 22 COLOR 22 HUE 22 MODE 22 PICTURE 22 SHARPNESS 22 VOL +/- 14
VCR 7 VCR manufacturer code numbers 30 VCR operation 30 VIDEO LABEL 28 VIDEO menu operations 22 COLOR 22 HUE 22 MODE 22 PICTURE 22 SHARPNESS 22